

Ati / ROBOTICS

SHERPA XT LITE

RUGGED | ROBUST | RELIABLE



SHERPA XT LITE

Sherpa XT Lite is an autonomous, electric tug that moves trolley payloads up to 1500 Kg. Trolleys play a key role in material movement in most factories and many warehouses. Sherpa XT Lite easily integrates with existing trolleys and thus fit into workflows without any changes.

Automated Solutions

- Auto Hitch / Un-hitch
- Obstacle Avoidance
- Pull Force Monitoring
- Custom Trolley Design
- Custom Hitch
- ERP Integration

Sherpa Specifications

Physical Specs	LENGTH	1342 mm	52 in
	WIDTH	660 mm	26 in
	HEIGHT	1100 mm	43 in
	WEIGHT	330 Kg	728 lb
	SENSORS	3D LiDAR and Camera	
	IPX RATING	IPX4	
	GROUND CLEARANCE	100 mm	4 in
Operation	AISLE WIDTH REQUIRED	> 1.2 m	47 in
	MAX SPEED (Laden)	Up to 1.2 m/s	2.7 mph
	TURNING RADIUS	1 m	39 in
	GRADIENT	Up to 6°	
	TEMPERATURE	+5°C to +45°C	+41°F to 113°F
	TUGGING CAPACITY	1500 Kg	3300 lb
Battery	TYPE	51 V NMC Lithium-ion (Swappable)	
	WEIGHT	18 Kg	40 lb
	RUN TIME	8 Hrs	
	CHARGING TIME	2 Hrs	
	CAPACITY	55 Ah	

Features



Light Conditions

Can even handle twilight and dark mode operations



Natural Navigation

No infrastructure changes needed



Swappable Battery

Enables Multiple shifts with low down time



Industry 4.0 Ready

Can be integrated with Factory MAS, WMS



OTA Updates

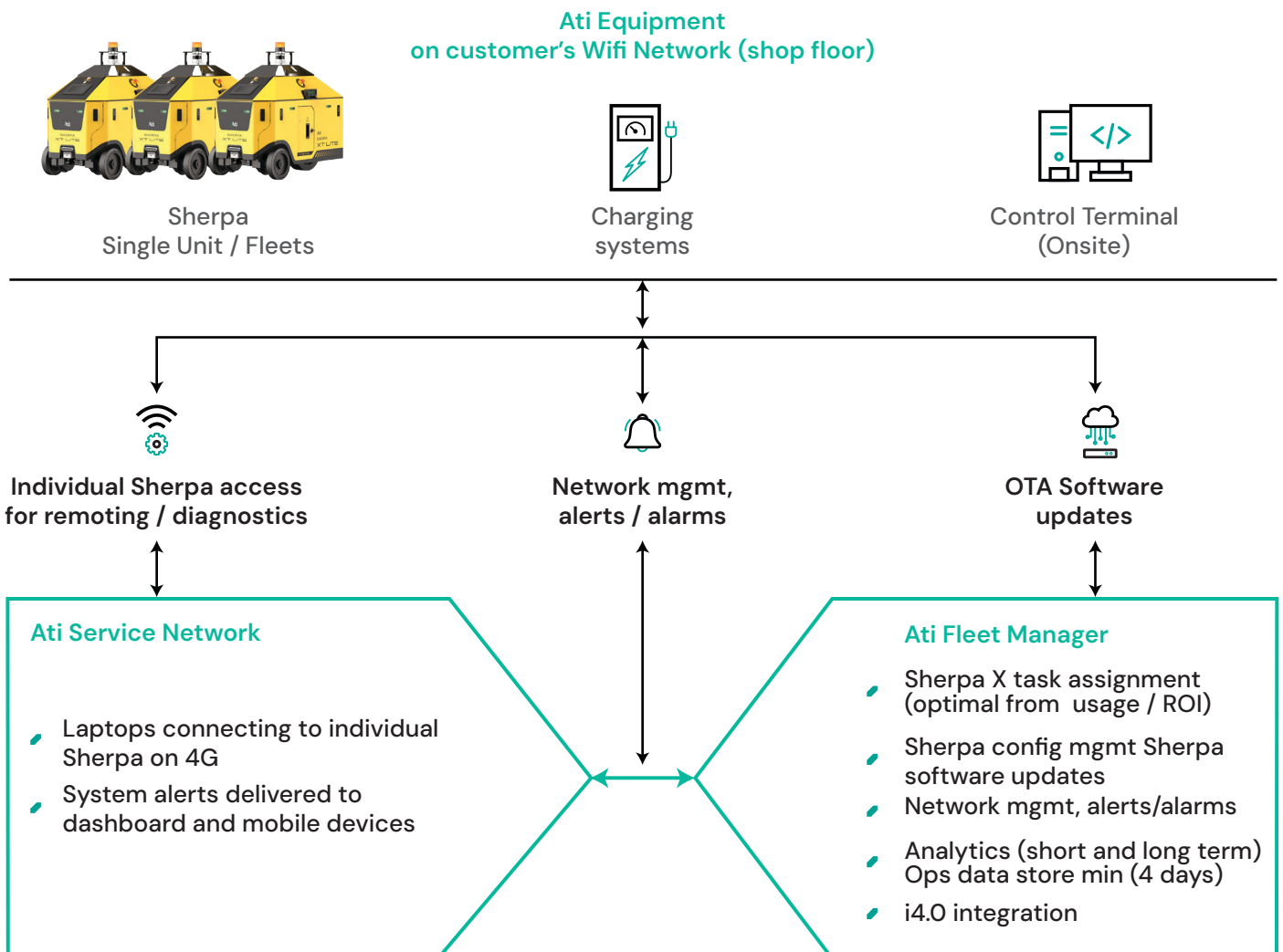
Sherpa is constantly updated to its latest



Operation

Works Indoor & Outdoor

Sherpa Fleet Managed On Ati Fleet Manager



Ati Fleet Manager Offers

• VDA 5050

• Fleet Analytics & Scheduler

• Fleet Diagnostics

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Sensor Coverage



Autonomy Safety Compliance ISO 3691-4

USA | Mexico | South East Asia | India

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